

Converting Colors

$Y_{xy}(36.5816, 0.2880, 0.5568)$

Have a look what the booklet for
Yxy(36.5816, 0.2880, 0.5568)
contains.

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Color

Yxy(36.7110, 0.2880, 0.5569)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00BD3B |
| RGB | 0, 189, 59 |
| RGB Percent | 0%, 74%, 23% |
| CMY | 1.0000, 0.2588, 0.7686 |
| CMYK | 1.00, 0.00, 0.69, 0.26 |
| HSL | 139°, 100%, 37% |
| HSV | 139°, 100%, 74% |
| XYZ | 18.9850, 36.7110, 10.2242 |
| YIQ | 117.6690, -70.9140, -80.4980 |

Conversions

Conversions Part 2

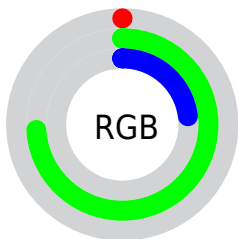
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 144, 189 |
| Decimal | 48443 |
| CIELab | 67.06, -65.74, 52.30 |
| CIELCh | 67, 84.006, 141.494 |
| Yxy | 36.7110, 0.2880, 0.5569 |
| Android (android.graphics.Color) | 4278238523 (0xFF00BD3B) |
| YUV | 117.6690, -28.9238, -103.1957 |
| Hunter-Lab | 60.5896, -50.1009, 32.4078 |

Details

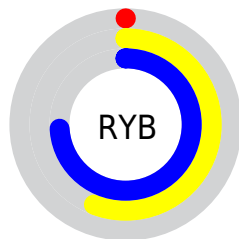
The Yxy color **36.7110, 0.2880, 0.5569** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.4312, 0.4194, 0.2084**, and the grayscale version is **18.1182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3440, 0.2986, 0.5083**, and **17.0502, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **36.7140, 0.2880, 0.5569**, and if you desaturate by 10%, it is **37.0036, 0.2851, 0.5372**.

Distribution



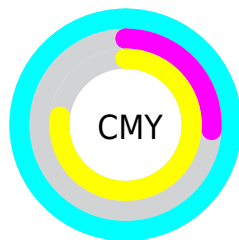
- Red (0%)
- Green (74%)
- Blue (23%)



- Red (0%)
- Yellow (56%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7110, 0.2880, 0.5569 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 36.7110, 0.2880, 0.5569 by changing the saturation by 10% instead.


 36.7110, 0.2880,
0.5569


 36.7110, 0.2880,
0.5569


332.0576, 0.3091,
0.4289


 24.9838, 0.2788,
0.5922


 70.1281, 0.2983,
0.5075

 16.0650, 0.2644,
0.6384


 92.5868, 0.3014,
0.4897


 9.5702, 0.2407,
0.7000


 119.3914, 0.3036,
0.4751

 5.1149, 0.2038,
0.7962

 150.9264, 0.3053,
0.4628

 2.3148, 0.0760,
0.9240

 187.5761, 0.3066,
0.4524

 0.7815, 0.0000,
1.0000

229.7249, 0.3076,

 0.0000, 0.0000,

0.4435

0.0000

277.7573, 0.3085,
0.4357

■ 36.7110, 0.2880,
0.5569

■ 36.7110, 0.2880,
0.5569

■ 36.7140, 0.2880,
0.5569

■ 37.0036, 0.2851,
0.5372

■ 37.4625, 0.2833,
0.5144

■ 38.1413, 0.2831,
0.4892

■ 39.0663, 0.2846,
0.4629

■ 40.2600, 0.2874,
0.4366

■ 41.7421, 0.2914,
0.4113

■ 43.5305, 0.2962,
0.3876

■ 45.6417, 0.3015,
0.3659

■ 48.0909, 0.3071,
0.3464

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.7110, 0.3971, 0.5471



36.7110, 0.2880, 0.5569



36.7110, 0.1905, 0.4425

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.7110, 0.2880, 0.5569



36.7110, 0.1390, 0.1626



36.7110, 0.5296, 0.3081

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36.7110, 0.2880, 0.5569



12.4312, 0.4194, 0.2084

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.7110, 0.4258, 0.2395



36.7110, 0.2880, 0.5569



36.7110, 0.1951, 0.1603

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.7110, 0.2880, 0.5569



36.7110, 0.1190, 0.2011



36.7110, 0.2948, 0.1870



36.7110, 0.5496, 0.3841

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.7110, 0.2880, 0.5569



36.7110, 0.1471, 0.3389



36.7110, 0.2948, 0.1870



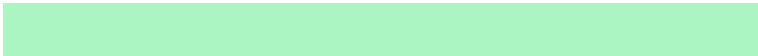
36.7110, 0.5026, 0.2842

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36.7140, 0.2880, 0.5569



77.7904, 0.2960, 0.3887



41.3282, 0.3672, 0.5466



16.4258, 0.2939, 0.3985



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.7140, 0.2880, 0.5569



65.7117, 0.2888, 0.5596



38.6391, 0.2428, 0.3942



10.6974, 0.3075, 0.3452



24.7127, 0.2874, 0.5546



0.9801, 0.2731, 0.5033

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.4312, 0.4194, 0.2084



22.2173, 0.4213, 0.2095



10.9583, 0.6078, 0.3122



9.6442, 0.3184, 0.3133



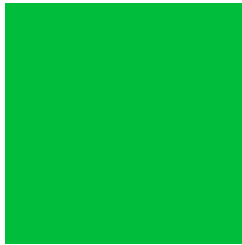
8.3777, 0.4178, 0.2075



0.3394, 0.3894, 0.1919

Previews

White Background



This preview shows how the Yxy color 36.7110, 0.2880, 0.5569 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 36.7110, 0.2880, 0.5569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7110, 0.2880, 0.5569

Background



This preview shows how black text looks on a background with the Yxy color 36.7110, 0.2880, 0.5569.



This preview shows how white text looks on a background with the Yxy color 36.7110, 0.2880, 0.5569.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36.7110, 0.2880, 0.5569

Protanopia

35.9124, 0.4235, 0.4666

Deuteranopia

35.9836, 0.4393, 0.4297



Tritanopia

36.7836, 0.2351, 0.3069

Trichromacy



Original Color

36.7110, 0.2880, 0.5569



Protanomaly

33.4257, 0.3473, 0.5157



Deuteranomaly

32.6319, 0.3557, 0.4891



Tritanomaly

35.6839, 0.2525, 0.3960

Monochromacy



Original Color

36.7110, 0.2880, 0.5569



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

22.3054, 0.2882, 0.4276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7110, 0.2880, 0.5569 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 189, 59)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 59)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 189, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 59) }
```

Border

The CSS property to change the border of an element to Yxy 36.7110, 0.2880, 0.5569 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 189, 59) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 189, 59) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 189, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 59);  
box-shadow:4px 4px 4px 4px rgb(0, 189, 59)  
}
```


Background

The CSS property to change the background color of an element to Yxy 36.7110, 0.2880, 0.5569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 59) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 189,  
59) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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